

**MADISON COUNTY FISCAL COURT
MADISON COUNTY, KY
RESOLUTION 2022-55**

**A RESOLUTION AWARDING A BID FOR THE UNINTERRUPTIBLE POWER
SUPPLIES FOR RADIO COMMUNICATION SITES**

WHEREAS, the Madison County Fiscal Court is required to approve of all bids for projects in accordance with the Administrative Code; and

WHEREAS, according to the Chemical Stockpile Emergency Preparedness Program (CSEPP), it is time to replace the uninterruptible power supplies (UPS's) at all our radio communication sites; and

WHEREAS, the Madison County Emergency Management Agency (EMA)/CSEPP has the funding to replace the current UPS's at these radio communication sites and bids were requested for this replacement; and

WHEREAS, the bid notice was properly posted; and

WHEREAS, one bid was received within the specified time in the bid posting from Henderson Services, LLC; and

WHEREAS, a team from Mission Critical Partners and Madison County EMA/CSEPP have reviewed the bid; and

WHEREAS, Madison County EMA/CSEPP wishes to award the bid and enter into a contract for the replacement of UPS's at our radio communication sites to Henderson Services, LLC;

NOW, THEREFORE, BE IT RESOLVED THAT THE FISCAL COURT DOES HEREBY APPROVE TO ENTER INTO THIS AGREEMENT AND AUTHORIZES THE JUDGE EXECUTIVE AND/OR HIS DESIGNEE TO EXECUTE SAME ON BEHALF OF THE COUNTY.

Motion made by Tudor, seconded by Barger.

Vote:	Yes	No
Judge Executive Reagan Taylor	<u>✓</u>	_____
Magistrate Ben Robinson III	<u>✓</u>	_____
Magistrate John Tudor	<u>✓</u>	_____
Magistrate Roger Barger	<u>✓</u>	_____
Magistrate Tom Botkin	<u>✓</u>	_____

Signed:

R-Taylor
Reagan Taylor
Madison County Judge Executive

4-26-2022
Date

Attested:

Kenny Barger M.C.C.
Kenny Barger
Madison County Clerk

4-26-2022
Date



March 22, 2022

Madison County Fiscal Court
101 West Main Street
Richmond Ky. 40475

ATTN: Dustin Heiser, EMA Director

RE: Madison County EMA Tower site UPS System Replacement

Henderson Services, LLC proposes to furnish all necessary labor, supervision, materials, tools, and equipment for the installation of the electrical work for the above referenced project, as detailed herein, in accordance with the plans and specifications provided by Madison County Emergency Management – Madison County Emergency Management Agency RFP, Tower Site UPS System Replacement Statement of work.

Scope of Work:

1. Per the RFP Section 1.3.1 (Standards) Henderson Services shall comply with all standards as written in Section 1.3.1 sub part section A through E.
2. Per the RFP Section 1.3.2 (Multiple References) Henderson Services shall comply with the installation process using the Section 1.3.2 sub part section A through D as a guideline for the installation process. Henderson Services will conform, surpass or use the more stringent requirement as the guideline throughout the installation process.
3. Per the RFP Section 1.3.3 (Requirements) Henderson Services will follow the Sections 1.3.3 sub part A through P for the procurement of the new UPS equipment, associated equipment, and the installation process to include the following:
 - Sub part A (1) through (12), using the Applicable standards (as listed or most current)
 - Sub part B (1) A through L shall include providing (two copies) of all operations and users manuals and minimal requirements. Documentation will also include the factory test report for all new UPS units to be installed per the RFP.

- Sub part C (Modes of operation). The new UPS units shall provide the full operation characteristics as stated in sub part C 1) through 5) to include as stated (a.) Automatic and (b.) manual mode operation.
 - Sub part D (UPS system requirements) shall be procured as required in the RFP Sub part D (1) through (5) & (7) through (13).
 - Sub part E (Battery system, Minimal requirements) All new UPS units will meet the minimal battery requirements as stated in the RFP Sub part E (1) through (6).
 - Sub part F (Battery types) New UPS units will be quoted to have lead acid sealed valve regulated batteries installed in each unit.
 - Sub part H (Battery test) New UPS units shall meet the requirements per the RFP sub part H (1) through (3).
 - Sub part I (Manufacture qualifications) Shall be meet per the RFP.
 - Sub part J (1) through (5) (Display and controls) shall be meet for each new UPS unit.
 - Sub part K (1) through (4) Shall meet the RFP requirements for relay, serial communications, network communications and software shall be provided.
 - Sub part L (environment) UPS units shall meet the RFP as stated for operating temperature requirements.
 - Sub part M (1) through (5) (Base warranty – 5 year onsite included) New UPS units shall be supported for warranty, service and support as stated in the RFP.
 - Sub part N (1) through (2) (Service and parts) Vendor will support the required factory - qualified technician within 4 hours travel time, within 200 miles and have the required repair parts in stock or at local factory service center.
 - Sub part O (1) through (5) (startup and training) Any and all startup and training shall be provided by vendor per the RFP.
 - Sub part P (Shipping and Handling) Henderson Services shall be responsible for any, all shipping costs. Henderson Services will store UPS units, equipment until time for delivery and installation at each tower site.
4. Per the RFP Section 1.3.4 (A) through (C) (UPS installation) Henderson will install the new UPS units in the shelters existing UPS areas, provide, install new EPO switch, mount, and install remote annunciator at the shelters demarcation point. Alarm points from new UPS units shall be installed back to existing alarm block, and tested with county's radio provider or designated person.
 5. Per the RFP section 1.3.5 (recycling of old existing UPS equipment and batteries) Henderson will utilize the local battery recycling center to turn in old UPS batteries for recycling purposes. All non- hazardous material shall be turned into recycle centers best as possible. All documentation shall be sublimated upon completion of project to ensure proper EPA recycling standards where meet during job process.
 6. Per the RFP section 1.3.6 (A) through (B) (Grounding Requirements) Henderson shall install any interior grounds, bonds, per the Motorola R56 standard, and per the

section 3.0 requirements as required per the RFP and throughout the installation process.

7. Per the RFP section 1.3.7 (Surge protection requirements) Henderson shall provide Motorola R56, type 2A compliant Surge protection units and will be installed on the critical UPS branch subpanel. All newly installed SPDs required per the RFP shall be installed per the requirements of section 3.0 (grounding and surge protection).
8. Per the RFP section 1.3.8 Henderson will be responsible for any site cleanup of job site during equipment installation and upon completion of project at each tower site location. All construction debris shall be disposed of per local and state regulations.
9. Per the RFP section 3.2.3 (SPD alarms circuits) Henderson Services shall run back SPDs alarm wiring back to the existing alarm punch block at each location and test with customer representative. All alarm circuits shall and will be clearly labeled and identified.
10. At the EOC dispatch tower site Henderson Services shall provide, install (1) 42 circuit 120/240-volt single phase panel. This required UPS critical load panel is due to non-existing UPS critical load panel currently at the site location to accept the new UPS output power source. New conduits, wiring, required circuits shall be ran to existing server rack to make ready to demo and cutover to new UPS system prior to removal of old existing UPS system.
11. At all other tower sites, provided, install conduit, wiring, breakers as required per RFP to meet the NEC code required circuit sizes and make ready for new UPS systems.

Exclusions:

1. Henderson Services will exclude the requirement of Section 1.3.3. (D).(6) (isolation transformer) due to the UPS KVA size of the units not having the option for the isolation transformer feature to be internal. Isolation transformers are not an option until UPS units meet the size requirements of 100 KVA and larger.
An external isolation transformer can be added outside of the new UPS units for an additional cost if required by the owner/customer.
2. Henderson Services shall exclude the option request for pricing as stated in Sub part G (Lithium-ion Batteries) due to the option of installation for Lithium-ion batteries is not offered in these size UPS units as required to meet the RFP on this project.

General Conditions Clarifications:

1. All work to be performed in accordance with all standards listed in section 1.3.1 - 1.3.8 of the Request for Proposal provided to Henderson Services by Madison County EMA.
2. All work quoted to be performed on Monday through Friday, 1st shift. (Excluding holidays)
3. Henderson Services will provide all labor, equipment, material necessary for the safe demolition, removal of each site's existing UPS units and associated equipment.
4. When power at each tower site location is to be de-energized for the installation of the new UPS units/bypass maintenance switches. Henderson Services will work closely with the Madison County EMA to schedule, ensure a smooth and safe transition from the old existing UPS units to the new UPS units and maintaining temporary power to mission critical equipment throughout the process.
5. Project to be completed and invoiced on or before September 30, 2022 (Except where equipment delivery dates move schedule out beyond the completion date due to manufacture delays and market volatility). Equipment delivery lead times are as follows:
 - Lead time for M90S Xtreme Power UPS systems and equipment is 8 to 12 weeks ARO.
 - Lead time for Eaton UPS systems and equipment is 6 to 8 weeks ARO.
6. Henderson Services will be responsible for receiving the delivery of all UPS units/equipment at their Lexington Ky. shop address and store UPS units/equipment at their Lexington Ky. facility until time for delivery to each job site location. With respect to the schedule of installation which at that time Henderson Services will deliver and off load each of the UPS units/equipment at each location.
7. All UPS units will be sized accordingly to operate for 30 minutes without normal utility power at transitional load rating.
8. Tower site UPS proposed KVA sizes per tower site location.
 - Berea City Hall – 212 Chestnut Street, Berea, KY 40403 - (12 KVA UPS)
 - Big Hill – 3304 Burnt Ridge Road, Mount Vernon, KY 40456 - (12 KVA UPS)
 - Enterprise – 2259 Enterprise Drive, Richmond, KY 40475 - (12 KVA UPS)
 - Jolly Ridge – 580 Maple Grove Road, Richmond, KY 40475 – (18 KVA UPS)
 - Lexington Road – 102 Clays Ferry Road, Richmond, KY 40475 – (12 KVA UPS)
 - (2) Madison County EOC – 560 S. Keeneland Drive, Richmond, KY 40475 – (EOC tower site / 18 KVA UPS) (EOC dispatch / 6 KVA UPS)
 - Moberly – 93 Forest Lane, Richmond, KY 40475 – (12 KVA UPS)
 - North Bound – 210 South 82nd Drive, Richmond, KY 40475 – (12 KVA UPS)
 - Old Highway 25 – 150 Trigg Street, Berea, KY 40403 – (12 KVA UPS)

9. Due to market volatility quote is valid for 30 days.

We appreciate the opportunity in providing you with this proposal and look forward to working with you. If there are any questions, please feel free to contact me at any time.

Respectfully Yours,

Benny Edwards

Benny Edwards
Preventive Solutions Coordinator
HENDERSON SERVICES

APPENDIX A—PRICING SUMMARY

NOTE: The table below provides a format for the total pricing for the individual tasks in the SOW detailed in Section 1.3.

Task	Task Description	Materials Cost	Labor Cost	Total Cost
1.3.3 F	Lead acid Xtreme Power brand UPS regulated battery systems	\$ 385,704.00	\$ 3,100.00	\$ 388,804.00
1.3.3 G	Lithium-ion battery UPS system	N/A	N/A	N/A
1.3.4	UPS installation cost	\$ 18,750.00	\$ 22,565.00	\$ 41,315.00
1.3.5	Old UPS and battery removal	N/A	\$ 3,850.00	\$ 3,850.00
1.3.6	Grounding	\$ 5,670.00	\$ 2,450.00	\$ 8,120.00
1.3.7	Surge protection Transtector SPDs	\$ 24,000.00	\$ 2,450.00	\$ 26,450.00
	Deduct for Eaton SPDs	\$13,400.00	N/A	
	Adder for Xtreme UPS Main Bypass switch wall mount	\$ 33,470.00	N/A	
	Adder for Xtreme 7 X 24 startup	\$ 7,315.00	N/A	
	Adder for Eaton UPS units	\$ 146,500.00	N/A	
	Deduct for Eaton UPS Main. Bypass Switch wall mount	\$ 13,350.00	N/A	
	Adder for Eaton 7 X 24 startup	\$ 10,970.00	N/A	
TOTAL				\$ 468,539.00

Radio Communication Site UPS Cost Break Down		
Item	Brand	
	Xtreme Power	Eaton
UPS Units	\$385,704.00	532,204.00
Labor for UPS units	\$3,100.00	3,100.00
Materials for install	\$18,750.00	18,750.00
Labor for Install	\$22,565.00	22,565.00
Labor for UPS removals	\$3,850.00	3,850.00
Grounding Materials	\$5,670.00	5,670.00
Grounding Labor	\$2,450.00	2,450.00
Materials for Surge Protection	\$24,000.00	10,600.00
Labor for Surge Protection Install	\$2,450.00	2,450.00
Wall mounted UPS Main Bypass Switch*	\$33,470.00	20,390.00
Start up*	\$7,315.00	10,970.00
Totals	\$509,324.00	632,999.00
*= Optional items we have chosen to purchase.		